

1904

July 4 - Dec. 19

New Mexico

Texas - Big Thicket

Vernon Bailey  
Washington D.C.  
1834, Kalorama Ave  
or Dept. of Agrl.

1904

Vernon Bailey

U. S. Dept. of Agr.

1834 KALORAMA AVE



July 4, 1904

Left Washington 11.05 A.M. / 29  
Trus Pikes, N.M.

A clear hot day, foliage  
rich, rye + wheat in  
stocks

Cumberland 3.05

Cutting wheat

Deer Park 4.41

Cool + fresh, green

meadows, corn 6-10

inches high, Laurel in  
full bloom.

Oakland still beautiful  
Canyons of river

Gas + oil + coke over

July 5

Daylight in southern Ind.  
*Lesqua radicans* abn. in  
full bloom, a week or two  
weeks ahead of Washington.

Grain all cut + stacked,  
+ all crops ahead of the same  
at Washington.

St. Louis, 12 M.  
out to Exposition

July 6 Kansas City at  
8 A.M. Mo. River.  
Rivers high.

~~Topika~~ 12

Osage City,

A few western plants

Floods all along  
the Cottonwood R.

July 7.

Lafayette, daylight

*Sarcobatus* abn

*Atriplex canescens*

*Bigelovia*

*Tetradymia*

*Gutierrezia*

*Atriplex confertifolia*

*Eurotia lanata* ?

*Opuntia arborescens*

Cottonwood along stream

Willows a

*Gouera leptophylla*

*Artemisia*

Alfalfa

good

Apples

"

Cherries

"

Pueblo, July 7.

Out to park east of town

*Opuntia arborescens*, abn. in flower

" flat, white spines, abn.

*Yucca glauca*, on hill

*Atriplex canescens* abn.

" *confertifolia* abn.

*Artemisia* dwarf. on hills.

*Gutierrezia euthamiae?* abn.

*Malvastrum munroanum*

*Argemone*

*Mentzelia*

*Salsola* little yellow

Gamma grass

Pueblo July 7.

*Sturnella neglecta*

*Icterus bullocki*

*Pica hudsonica* - 1/10 mi. E. of town.

*Chordeiles v. hurreyi* a few seen

*Chondestes* com

*Carpodacus frontalis* "

*Spizella arizonae* 1

*Dendroica aestiva* in park

*Contopus richardsoni* 2 "

*Tyrannus verticalis* 2 "

*Mimus polyglottos* 2

*Zenaidura* com

*Callipepla squamata* 1

*Paspalum domesticum* abn.

July 8

Left Pueblo at 12:20 AM.  
Vasenberg, still dark

Zalata Pass on station 9242

averages 9300 + 10400

*Pinus murrayana*

*Abies*

*Picea*

*Populus tremuloides*

*Arctostaphylos uva-ursa*

*Salix*

big park, meadows,  
little stream, & spring

A beautiful place to camp

*Cynomys gunnisoni*

Lower down on warm slopes

*Pinus ponderosa*

*Pseudotsuga*

*Betula occidentalis* elongata

*Artemisia tridentata*

*Juniperus*

8500 ft.

*Pinus monophylla*

" "

*Cercocarpus*

" "

*Populus angustifolia*

" "

Garland

8300

Upper Sonoran plain

*Sarcobatus*

*Bigelovia*

~~*Lepus campestris*~~

*Zitadynia*

*Opuntia* white spine

*Gutierrezia*

*Lepus campestris* 4

*Cynomys gunnisoni* com

*Alamosa* 6:15, 7900

Antonito 8250

Side of Ute Peak 8600

Tras Piedras (8500)  
Corrected & set 29:85 (8088)

Brink of Canyon 7100

Tell House 6650

Top of mesa 7400

Taos 7 PM, 7100

July 9. Out to Martinez

July 10 Sunday,

staid at Phillips' place

Went out to Pueblo to meet

head men for talk.

July 11,

Out to camp above Pueblo

Aneroid 7100 in Taos

" 7400 at camp

July 12 To Taos & back.

July 14 Camp 7 7400

Month of Louisa Canyon 8300

Juniperus	-8000 <sup>NE.</sup>
Pinus edulis	-8500 <sup>SW</sup>
Abies concolor	8200 <sup>NE.</sup> - 10500 <sup>SW</sup>
Picea pungens	8200 <sup>NE.</sup> - 10500 <sup>SW</sup>
Pinus flexilis	8300 <sup>NE.</sup> - 10500 <sup>SW</sup>
Pseudotsuga	8200 <sup>NE.</sup> - 10500 <sup>SW</sup>
Acer glabrum <sup>alnifolium</sup>	8300 -
Populus angustifolia	- 8300?
Cornus	
Alnus	7200 -
Betula	- 8300
Philadelphus	8300 -
Quercus	7200 - 10500
Rhus aromatica	- 8500 <sup>SW</sup>
Ribes cereum	- 10100
"	black
" d. irriguum	7400 -
Physocarpus	
Populus tremuloides	8300 <sup>NE.</sup> -
Amelanchier	- 10100
Cercocarpus	7500 - 8500
Prunus	7200 - 10100
Berberis aspera	8400 <sup>SW</sup> - 10500 <sup>SW</sup>
Pachystima	-
Pinus ponderosa	8500 <sup>SW</sup> - 10100
Rubus nutkanus	8300 -
Arctostaphylos manzanita	8500 <sup>SW</sup> - 10000

Rosa	-101000
Pteris	8580-10000
Calla canthos	8300-
Fragaria spargosa	8910-10500
Voratum	" -11000
• Lonicera involucrata	" -
• Symptlocarpus	7400-10100
• Aquilegia canadensis	9400-11000
Callospermophilus	8500-
Cyanocitta	"
Circus	"
Dendrocygus	9500
Colanthe foveolata	9900
Thomomys	"
Junco perispermus	7400-
Acrostichum	7400-
Potentilla fruticosa	9900-
Ribes	spring 9900-
" sanguineum	1000-
Orthocarpus	yellow 9900-
Sambucus	9500-
Pyrus sambucifolia	" -
Wyethia	orange 9900-
Podocarpus	10000-
Saxifraga punctata	"
Pedicularis grandiflora	10500-
Calla leptocarpa	"
Vaccinium microphyllum	"
Geum triflorum	"
Rhododora rosea	"

Rhododora	10500-
Polygala vivipara	"
Zinnia	"
Schuerstia	"
Myrtensia alpina	"
Polygala bistorta	"
<u>Bier Lata</u>	12000
<u>Zimbiskus</u>	12300
<u>Ridge</u>	12700
Myadus	
Silene	
Phlox	
Artemisia	
Orthocarpus	crimson
Geum rossi	
Pinus aristata	12000-12300
Abies lasiocarpa	10500 -
Picea engelmannii?	- "
Pinus ponderosa SW	- 10100
Abies concolor	- 10500
Picea pungens	- "
Gilia aggregata	- 10100
Pentstemon	scarlet -
Geothlas	- 10000
Cercocarpus	- 9800 <sup>548</sup>

\*  
*Populus angustifolia*  
*Pinus edulis*  
*Juniperus*  
*Acer glabrum*

- 8500

- 8700<sup>SW</sup>

- 8700<sup>SW</sup>

- 8500

Camp - badito, 7700

7400 feet

July 18 Camp, above Pueblo

*Populus angustifolia*

*Picea pungens* a few by stream

*Abies concolor* "

*Pseudotsuga* "

\* *Juniperus*

\* *Pinus edulis*,

\* *Alnus*

\* *Salix*

"  
*Negundo varicoides*

*Prunus virginiana*  
plm

"  
*Clematis*

*Quercus gambeli*

*Acer glabrum*

*Rosa*

*Fallugia paradoxa*

*Cercocarpus parvifolius*

*Artemisia tridentata*

*Begonia parvifolia*

*Glycerhiza apiculata*

*Lupinus nanus* abn.

*Lupinus*

*Apocynum*

*Symphoricarpos*

*Rhus trilobata*

*Ribes cereum*

" *d. virgineum*

Taos

*Ardea herodias* 1  
*Falco sparverius*  
 "  *mexicanus* 1 in canyon  
*Megascops* 3 or 4  
*Zenaidura macroura* obs  
*Columba fasciata*, reported  
*Corvus americanus*, obs. yg.  
*Agelaius* com  
*Molothrus*  
*Sceloporus cyanocephalus* sp.  
*Apeltes* com  
*Cyanocitta* in canyon  
*Sturnella neglecta* com  
*Otocoris* "  
*Coturniculus auduboni* "  
*Pooecetes* "  
*Chondestes* "  
*Carpodacus frontalis* "  
*Passer domesticus*, in town  
*Oreospiza* 1 west  
*Pipilo megalonyx* com  
 "  *hesperus* 2  
*Habia melanocephala* 1  
*Gauricea a. lazuli* 2  
*Passerina amoena* com  
*Astragalinus psaltria* "  
*Chelidon* "  
*Petrochelidon* "  
*Tachycineta thalassina* "

*Vireo swainsoni*

"

*Empidonax*

"

*Dendroica aestiva* a few heard

*Geothlypis trichas* com

*Icteria v. longicauda* "

*Mniotilta* "

*Geothlypis trichas*, several

*Oreoscoptes* 1 seen

*Sphyrapicus nuchalis* com.

*Troglodytes d. aztecus*, nest

*Salix arctica*

*Ureula v. propinqua* com

*Pica pica* reported.

*Chordeiles v. henryi* com

*Phalaenoptilus* heard

*Zenaidura macroura* com

"

*Parus septentrionalis*

"

*Parus fabii*

*Psittiparus*

July 19 Florio's Camp 7550

9 AM 7350

Loas 7300

7100

Hondo Canyon 7100

7700

Camps in Hondo Canyon 8100

7900

July 20 Camp on Hondo 8

Anazett 9000

Zwinnig 9500

Meadow 10200

Camp above lake 11200

July 20 Camp 11200

*Picea engelmanni* -1200 W

*Abies lasiocarpa* -1200 W

*Fir* *aristata* 11600-1200 W

*Timberline* W - 1200

*Myosotis alpestris* 12200 W

*Primula angustifolia* 12400

*Myrtensia alpina*

" *microflora* 12600

Poppy *Papaver nudicaule* 13000 13500

*Silene acaulis*

*Cladonia* *raggeda* 13600-13700

Top of first ridge 13300

13000

Wheeler Peak? 13500

*Sibbaldia procumbens* Top

*Genium rossii*

*Trifolium nanum*? 1200

*Trifolium uniflorum* 1200

" *gymnocarpum*

*Myrtensia alpina*

" *microflora*

*Sedum strobilatum*

*Rhodiola integrifolia*

*Draba*

*Aritas*

*Phlox Douglasii*

*Silene acaulis*

*Arnica*

*Potentilla*

*Primula angustifolia*

*Gerardia dioica* 11400

<i>Polygonum viviparum</i>	-13500
" <i>bistorta</i>	"
<i>Cladonia megarrhiza</i>	13000 - "
<i>Artemisia</i>	"
<i>Ligusticum eastwoodii</i>	11400 - "
<i>Carex</i>	"
<i>Polygonum confertum</i>	12000-13300
<i>Orthocarpus</i>	red 11800-13500
<i>Salix reticulata</i>	11400-13300
<i>Delphinium</i>	pale 11850-1300
<i>Hydrophyllum</i>	12000-13500
<i>Saxifraga flagellum</i>	-top
" <i>gillsonii</i>	"
" <i>nivalis</i>	"
<i>Paronychia pulvinata</i>	"

# Camp at lake, July 22

<i>Abies laiocarpa</i>	-11000
<i>Picea engelmannii</i>	"
<i>Salix phlegens</i>	gray leaf -12000
"	green leaf - "
" <i>reticulata</i>	11400-13300
" <i>humifusa</i>	" -12500
<i>Juniperus communis</i> or <i>alpina</i>	-12400
<i>Lonicera involucrata</i>	-12000
<i>Potentilla fruticosa</i>	-12500
<i>Vaccinium microphyllum</i>	-12400
<i>Ribes wolfii</i>	-11500
" <i>coloradense</i>	12400
<i>Veratrum</i>	12000
<i>Aquilegia scopulorum</i>	10000-12500
<i>Polygonum bistorta</i>	13700
" <i>viviparum</i>	"
<i>Geum saxatile</i>	"
<i>Potentilla</i>	"
<i>Gentiana parryi</i>	-12700
<i>Schwaeria peruviana</i>	11400-12000
<i>Achillea</i>	11400-12500
<i>Sibaldia procumbens</i>	13700
<i>Veronica</i>	(D) -13000
<i>Antennaria</i>	"
"	"
<i>Stellaria</i>	"
Rock fern	2
<i>Epilobium</i>	-11200
<i>Fragaria glauca</i>	-12000
<i>Pentstemon grandis</i>	-12400

• Helianthus ?	green leaf	11400-13700
• Myrtensia alpina		12700-13700
• " "		11400-13700
• Saxifraga bronchialis		" - "
• " punctata		-12000
• Heuchera nivalis		11400-13700+ -12400
• Castilleja	yellow	-12700
• " "	red	-12000
• Rhodiola polygama	big red	-13700
• Clematis rhodantha		10700-
• Sedum	yellow	11400-13700
• Caltha leptocepala		-12500
• Aralia		11400-1
• Cnicus erythrophthalmus ?		11400-12500
• Geranium		-12000
• Ligustrum eastwoodii		11400-13700
• Anemone	brown	-12500
• Eriogonum	little blue	-13700
• " "	white	"
• Pedicularis groenlandicus		13000
• " racemosa		-12000
• " "	yellow	13000
• Zygadenus		-12200
• Solidago		-12400
• Campanula		-12000
• Polemonium		-13000
• Zephlosum	green leaf	11400-12400
• Arisaema		-12200
• Sambucus		-12200
• Primula parryi		- "

July 23 Camp 9. 11400  
 Mivens camp 10600  
 • Populus tremuloides  
 • Acer glabrum  
 • Rubus mitis  
 • Salix cordata  
 • Twining 10000  
 • W. 10000  
 • Quercus -9600  
 • Amelanchier  
 • Chokeberry  
 • Pseudotsuga SN. -9600  
 • Abies concolor -10000  
 • Pinus purgens  
 • Salix -10100  
 • Symphoricarpos 9600  
 • Arctostaphylos -9600  
 • Delphinium, Tall, pale  
 • Pedicularis parryi, fig -10000  
 • Rosa SW -10400  
 • Anemone 9500  
 • Aquilegia red 10600  
 • Linna borealis  
 • Zygadenus 10600-  
 • Meadow 10800  
 • Veratrum 10600  
 • Caltha leptocepala 10800  
 • Oryzopsis hirta  
 • Pedicularis groenlandicus  
 • gracilis (10000)

*Picocorvus* 10600  
*Myadestes* 10000  
*Tachycineta thalassina* 9500-  
*Empidonax* 2 - 9500  
*Turdus* 2 9400  
*Psaltriparus hirsutus* 9500-10200  
*Sialia arctica* - 9500  
*Vireo* 2 10000  
*Dryobates pubescens* "  
*Cyanocitta* "  
*Parus gambeli* 10500  
*Zonotrichia*  
*Junco*  
*Perisoreus*  
*Ceuthia* 11200  
Back to Camp 11650.

July 24

*Cinclus* at lake  
*Myadestes* at camp 12200  
*Picicorvus* to 13300  
*Zonotrichia leucophrys* - 12400  
*Melospiza m. propinqua* - "  
*Corvus corax sinuatus* 6 13500  
*Aquila chrysaetos* 1 "  
*Cantharus* obs. 12400 - 13700

*Lagopus alpestris* 13500  
*Leucosticte australis* 13300  
*Pinnicola* at 10700.

July 24 Camp - 11400  
 Timberline 12200  
 Extreme upper scrub 12500  
 Fox 12200  
 Trap by creek 12700

Eriogonum big white - 12000  
 " big purple - "  
 " 'Celery' - "

July 25 Camp 11500  
 Wheeler Peak 13900  
 back to Camp 11600

*Parnassia* - 12000  
*Gentiana variabilis* 11400 - 12000  
 " *frigida* " - "

*Regulus satrapa* 2 at 10700  
*Carpodacus cassinii* a pair at 9500.  
*Buteo borealis* Cal. a pair at 11000.

Aug. 2, down to Meadow  
Barometer at meadow 10700

Plants in meadow

- Salix green leaf 785
- " Gray 784
- Potentilla fruticosa
- Caltha leptosepal
- Pedicularis groenlandicus
- Pernassia
- Saxifraga punctata
- Aconitum
- Schwertia perennis
- Gentiana ~~parryi~~
- " serrata
- " variabilis
- Celery
- Carum 'sp.'
- Polygonum viviparum
- " bistorta
- Rhodiola
- Veratrum a little
- Timothy
- Veronica slender
- Juniper triflorum
- Potentilla 'anceps'?
- " little
- Campanula
- Erigeron blue white
- Cinna trigonophyllum

In woods + uplands

Picea

- Abies lasiocarpa
- Populus tremuloides - on SW. slope
- Lonicera involucrata
- Ribes wolfei
- " coloradense
- Vaccinium microphyllum
- Pachystima myrsinites
- Juniperus communis
- Pyrola secunda?
- Pedicularis racemosa
- Solidago
- Pentstemon gracilis
- Fragaria glauca
- Arisaema
- Achillea millefolium
- Myrica green leaf
- Monarda uniflora
- Linnaea borealis

- - 10600

Aug. 4. Camp 9 AM 10700

" Twining (set) 9900

Zachinita thalassina nest at 10300 SW

Euphorbia difficilis dot 10700 "

Vireo swainsoni " "

Pinus arizata 11000<sup>SW</sup> -

Populus tremuloides - 11000<sup>SW</sup>

Sawmill 11100

Summit 11200

Aug. 8 Camp, 11 AM 10700

Twining 12 " 9850

Amesbury 9400

Abies concolor - 9800

Pseudotsuga - 9600

Pinus flexilis - 9400

" ponderosa a few at 9200  
com. below 9000

Alnus

Betula a few to 9000

Picea pungens - 9200

Ribes d. irriguum "

Cornus aspreifolia "

Pentstemon exaltat "

Monarda "

Physocarpus "

Pyrus parlatanajolia 9100-10000

Populus angustifolia - 9000

Shepherdia " "

Quercus - a few - 9600<sup>SW</sup>

" com. below 9000

Griffiths 8900

Brick Kiln

8500

Chenopodium

"

Mentzelia

"

Ceanothus

"

Camp at La mill

8350

1

Aug 9.

Camp

8150

Tell House

7900

### Upper Sonoran

Aug 11 Camp

5450

Pinus edulis

8500<sup>SW</sup>

Juniperus utahensis

"

" paccata?

"

Cercocarpus parryi

- 8500<sup>SW</sup>

Philadelphus

Ribes leptanthum

" cereum

Berberis (spatulata)

- 8200

Clematis

Rosa

Physocarpus

Lupinus

Artemisia tridentata

Ribes leptanthum

Tell House

8250

Camp

Holodiscus

8200

Aug. 12. Camp 7950  
8050

- *Bigelovia canescens*
- *Argemone platyceras* 7900
- *Yucca bracteata* "
- *Alfilaria* "
- *Maltatum muscivorum* "
- *Bigelovia douglasii* "
- *Helianthus* "
- *Fallugia* "
- *Gravellea* "
- *Rhus aromatica* "
- *Senecio bigelovii* "
- *Yucca* "

Valdise 7700  
Camp 8000  
Taus 7600

Aug. 13. Hondo Camp  
*Mammillaria* n/100  
*Opuntia arborescens* 1

*Cereus* m. 1000

Aug. 14. Camp 9:30 8000  
Hondo R. 7600  
Agua de Lobo 8500  
San Cristobal 8100  
Lawa 8800  
Camp near Questa 8000

Aug. 15. Camp 9:30 8050  
Red R. 7850  
Questa 8100  
Tip Red R. Camp 3 m. 8  
Camp 8200

Aug. 16. Camp 8200  
Month of S. Fork 8500  
Upper Sonoran 8200<sup>sl</sup>

" " on slope for 500  
" " N.E. to 7800?  
Transition zone N.E. - 8500  
" " S.W. - 10000  
Canadian zone NE 8500 - 11000  
" " S.W. 10000 -

Red River town 9250  
*Picea pungens* - 9500  
" *europaea* 9500 -  
*Abies lasiocarpa* 9500<sup>NE</sup>

Camp on Lost trail cr. 10700

Aug. 17. to top of hill & back.  
 Aug. 18 Camp 9 40400  
 Top of ridge 10400  
 Anchor mine 11200  
 Pass 11350  
 Pinus aristata 11300<sup>50</sup>  
 Populus trem 11350<sup>50</sup>  
 Table 10100  
 Comanche Cr. 9700  
 Oshtello River 9400  
 Camp - Coyote Camp 9700

Aug. 19 Camp 9700

Ranch

Camp - Coyote Camp 10700

Aug. 20, Camp 10700  
 Pseudotsuga a few to  
 Physocarpus  
 Physalia  
 Arctostaphylos uva-urca

Top of ridge 12300  
 Hemitelia c. lobensis 12400  
 Zonothoides  
 Nucifraga  
 " Leptes 12400

Lophosaurus 12700  
 Zinkhans S.E. 12600  
 " S.W. 12800

First high peak 13200  
 Saddle 12800  
 Second peak 13400  
 Snowbank 13300  
 Highest Peak 13600

Anthus 12700 - 13400

Salix arctica - 13400

Otocoris 1300 - 13300

Lagopus dumg 13200 + 13300

Humea 13600

Aquila 13000 + feathers at 13600

Falco b. calurus 13400

Circus 1300

back to Camp 11000

Peak	13400		
<i>Geum sasan</i>	"		
<i>Sibaldia procumbens</i>	"		
<i>Potentilla</i> little	"		
" <i>pratensis</i>	-13550		
<i>Sedum</i> little yellow	13400		
<i>Saxifraga chrysantha</i>	"		
<i>Silene acaulis</i>	"		
<i>Arenaria</i>	"		
<i>Asteriscia borealis</i>	"		
<i>Erigeron</i> small blue	"		
<i>Gentiana frigida</i>	"		
<i>Perovskia</i>	"		
little white like <i>Perovskia</i>	"		
<i>Helium</i> ?	gray leaf	"	<i>Thomomys</i> -13400
"	gray leaf	"	<i>Arctomys</i> -13300
<i>Myosotis</i>	"	"	<i>Chotera</i> -13400
<i>Companula</i>	"	"	<i>Eutamias</i> -13200
<i>Polygonum viviparum</i>	"	"	
<i>Polygonum bistorta</i>	13300		<i>Canis lupus</i> -13300
<i>Salix reticulata</i>	13000		<i>Ovis montanus</i> reported
<i>Ligustrum oostwoodi</i>	13400		<i>Ursus horribilis</i> "
<i>Gentiana nivalis</i>	13300		" <i>americanus</i> "
<i>Orthocarpus</i> - pink	13500		
<i>Calla leptocarpus</i>	-12800		
<i>Salix</i> gray leaf	-13000		
" green leaf	"		
<i>Trifolium gymnocarpum</i>	-13400		
" <i>nanum</i>	1230-13400		
<i>Urtica megarrhiza</i>	-13550		

Aug. 21 Camp	10900
Valley at road	10700
Rainbow & Store	10400
Alms	- 10100
Pinus pungens	1200
Coyote Camp	10000
Bigelowia big tree	"
Pinus resin	"
Albatalia	9900
Pinus ponderosa	- 9900
" aristata	9900
" flexilis	- 9900
Betula	- "
Pseudotsuga	- "
Beaver pond	9600
Lunch	9450
Camp above beaver pond	9800

Aug 24. Camp, 1 PM.	9550
Castilla River & Co.	9350
Populus angustifolia	"
Alms	"
W. Latis Co.	"
Top of ridge	10300
Juniperus 2	- 9150
Pinus edulis	- "
Artemisia tridentata	- "
Betula	- "
Aspens	- "
Monarda	- "

Castilla R. valley 9150  
Camp 100 feet above R. 9150

Aug. 25 Camp 8 AM.	9050
Berberis spatulata	-
Sabir nigra	-
Mentzelia	-
Gutierrezia	8600
Eurotia lanata	- 8500
Atriplex canescens	"
Scirpus monox.	9050-
Thompson junos?	"
Spin. green	9000
Perovskia repens 2	"
Castilla town	8500

Oats	
wheat	
corn	
Peas	
Potatoes	
Squashes	
Watermelons	
Wheatmelons	
Beets	
Lettuce	Bridge 8100
Tomatoes	Camp 8300
Onions	
Apples	
Plums	

Aug. 25, Camp 7:30, 8300

*Helianthella* abn.

*Zollugia* "Pond" alayards

Summit of ridge about 8400

Antonito (8500)

Correct altitude (7888)

Aug. 30

Antonito to Alamosa

Aug. 31 Alamosa 7:30 AM

*Sarcobatus* abn.

*Bigelovia canescens*

*Gutierrezia*

*Perodipus* abn.

*Urtica* big purple

*Bigelovia* - dark green

*Achillea* abn. sp.

*Zinnia*, growing

in sunflower fields

*Euphorbia* in flocks

*Picea* some

*Merula* a few

*Hemlock*

Montalista

*Xanthocephalus* flocks

*Sturnella* com

*Falco sparverius* !

*Lanius* !

*Spinus tristis*, 1 ♂ in town

Del Norte 9 AM

Del Norte

*Yucca glauca*

*Ribes cereum*

*Atriplex canescens*

*Sarcobatus* on flats

*Bigelovia canescens*

*Gutierrezia*

*Achillea* abn.

*Helianthella*

*Quercus*

*Sarcobatus*

*Artemisia frigida*

" *dracunculoides*

" dwarf *frigida*?

*Opuntia polyacantha*? abn.

*Cercus*

"

"

*Erigeron*

*Mimulus*

*Pinus edulis* on hills

*Juniperus*

*Ribes leptanthum* bush on hill

*P. rubra* argentea

*Salix nigra*

" *capitata*

*Ribes aureum* - both yellow & black

Del Norte Aug. 31 + Sept 1.

<i>Cyanocephalus</i>	2
<i>Sialia mexicana</i>	abn
<i>Salpinctes</i>	on edge
<i>Chrysomitris psaltria</i>	com
<i>Hirundo</i>	abn
<i>Tachycineta</i>	3.
<i>Oreoscoptes</i>	1
<i>Pica</i>	
<i>Circus</i>	2
<i>Podiceps</i>	2
<i>Oxyechus</i>	1 heard
<i>Lanius</i>	com
<i>Melospiza</i>	1
<i>Tyrannus verticalis</i>	1
<i>Carpodacus frontalis</i>	1
<i>Spinus pinus</i>	com
<i>Merula</i>	4
<i>Spizella</i>	
<i>Empidonax</i>	1
<i>Colaptes collaris</i>	com
<hr/>	
<i>Canis latrans</i>	
<i>Fiber</i>	in fish pond
<i>Cynomys gunnisoni</i>	abn
<i>Lepus sylvaticus</i>	1
<i>Eutamias quadrivittatus</i>	com
<i>Perodipus</i>	
<i>Peromyscus sonoriensis</i>	abn
<i>Microtus</i>	"
<i>Microtus</i>	1
<i>Rhithrodontomys</i>	1

Sept. 2 Alamosa 7900

Antelope - 8. "  
Antelope set at 7900.  
Up Canyons R. 10 mi. 8300

Sept. 3 - Camp 8200

Slope - Upper Sonoran -  
*Pinus edulis*  
*Juniperus monosperma* + *flaccida* - 9500  
*Atriplex canescens*  
*Begelovia canescens*  
*Gutierrezia*  
*Artemisia tridentata*  
" *frigida* a little  
*Eurotia lanata*  
*Mirabilis*  
*Opuntia polyacantha*  
*Cercus* big spines  
" little one  
*Mammillaria*  
*Yucca glauca*  
*Helianthus*  
*Helianthella*  
*Ribes leptanthum*  
" *sericeum*  
*Rhus trilobata*  
*Wentzelia*  
*Cercocarpus parvifolius* 8400 - 9700

5300 foot camp

N.E. slope, transition -

*Pinus ponderosa* 8500<sup>N.E.</sup>

*Pseudotsuga* 8500<sup>N.E.</sup>

*Pseudotsuga*

*Abies concolor*

*Populus tremuloides*

8600<sup>N.E. gulch</sup>

8700<sup>N.E. slope</sup>

*Picea* ?

8800<sup>N.E. gulch</sup>

Top of mesa 9100

Top of crater 9800

*Abies concolor* N.E.

*Pseudotsuga*

*Populus tremuloides*

Covejosh R. bottoms 8300 feet

*Populus angustifolia* abn

*Pinus ponderosa* a few

*Picea pungens* "

*Salix cordata*

" *nigra*?

*Cornus asperifolia*

*Eleagnus argentea*

*Lonicera involucrata*

*Rosa*

*Ribes d. irriguum*

*Potentilla fruticosa*

*Gilia aggregata*

*Monarda*

*Companula "uniflora"*

*Lupinus*

*Pentstemon* - seedlet

*Cleovotis*

*Lupinus humilis*

*Alnus incana*

*Prunus virginiana*

Conchos River Camp, 8300.  
 Odocoileus tracks  
 Sciurus monineus 8900 N.E.  
 Lynx baileyi abn  
 Callospermophilus 1 at 8900 ft  
 Eutamias quadrivittatus abn  
 Onychomys 1  
 Peromyscus sonoriensis abn  
 Neotoma abn  
 Perognathus 1  
 Perodipus montanus abn  
 Lepus sylvaticus "  
 Thomomys aureus com.  
 Canis latrans "  
 Lynx "  
 Eutamias "  
 Luteola tracks com  
 Taxidea holes com  
 Bats com  
 Cervus old horns

Sep. 5. Camp same 8200  
 7700  
 Antelope 7900

Camp by San Antonio Batts 8700  
 Came 10 + 12 miles

Sept. 6. Camp 8600  
 edge of timber 9000  
 Top of ridge 9500  
 Summit at Sheep Spring 9350  
 Camp at fork of Tusas 8750

Sept. 7 Camp. 9 8650  
 1  
 Hesperis 9700  
 Summit 10100

Camp 9800  
 Picea engelmannii  
 Abies Lasiocarpa  
 Populus tremuloides  
 Salix  
 Potentilla fruticosa  
 Urtica  
 Gentiana - pink  
 Comandra uniflora  
 " large blue  
 Calla lutea sepala  
 Potentilla  
 Sambucus

Sept. 10, Camp 10000  
 Summit 10500  
 Beaver Pond 9700  
 Abies concolor "  
 Pseudotsuga "  
 Alnus "  
 Symphoricarpos "  
 Salix cordata "  
 Birch "  
 Acer glabrum 9400  
 Prunus virginiana 9200  
 Amelanchier "  
 Cornus asperifolia "  
 Populus angustifolia 8800  
 Pinus ponderosa W. 9100  
 Camp on bottom of valley 7700

Sept. 11 Sierra Anavilla 7650

Sept. 14, Camp 8. 7550  
 Sierra Anavilla  
 Artemisia frigida  
 " ludoviciana

Manabts, San Juan Mts.

Odocoileus rare  
 Sciurus aberti not found  
 Sciurus monnecanus, abn.  
 Callospermophilus lateralis com  
 Eutamias abn.  
 Cynomys gunnisoni, up to Hypanth  
 Euthizon com  
 Microtus pennsylvanicus abn.  
 " mordax?  
 Peromyscus sonoriensis, abn.  
 Thomomys jonesi, abn.  
 Lepus campestris  
 " bairdi signs in woods  
 Fiber? Ad house  
 Castor Ad house, pond  
 Canis lat. com  
 Taxidea

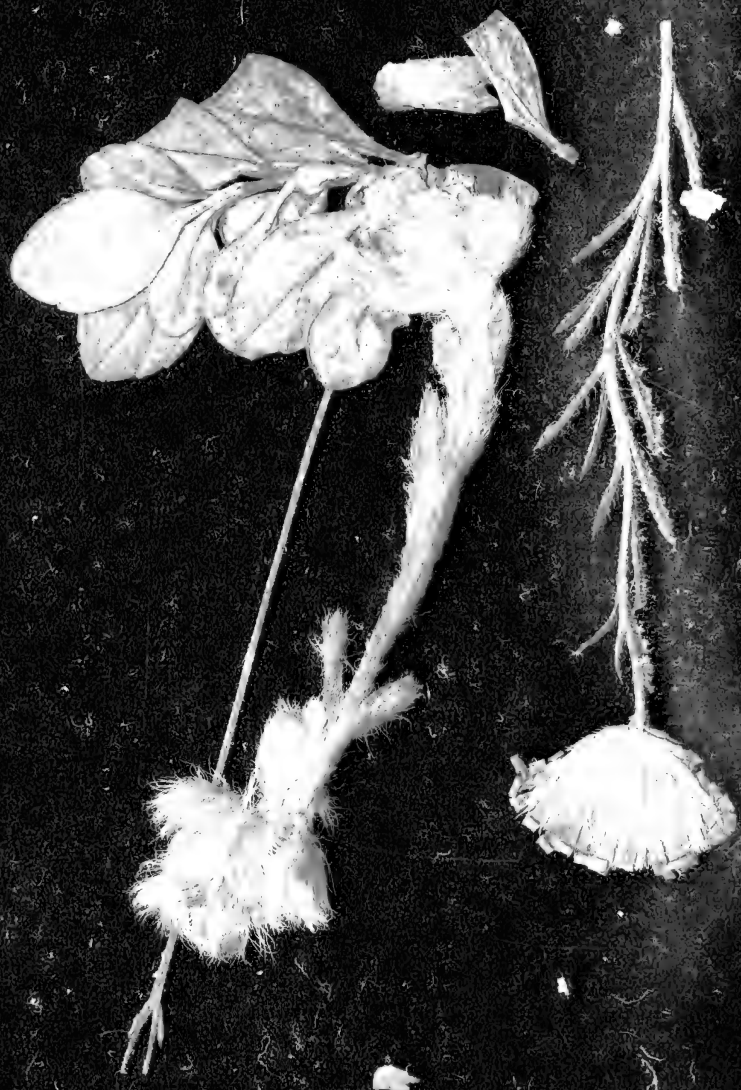


Sept. 10, Camp 10000  
 Summit 10500  
 Beaver Pond 9700  
 Abies concolor "  
 Pseudotsuga "  
 Alnus "  
 Symphoricarpos "  
 Eglex Cardata "  
 Rensch "  
 Acer glabrum 9400  
 Prunus virginiana 9200  
 Aureus "  
 Cornus aspyridia "  
 Populus angustifolia 8800  
 Pinus ponderosa W. 9100  
 Camp on bottom of valley 7700

Sept. 11 Sierra Anavilla 7650

Sept. 14, Camp 8. 7520  
 Sierra Anavilla  
 Artemisia frigida  
 " ludoviciana

Mammals, San Juan Mts.  
 Odocoileus rare  
 Sciurus aberti not found  
 Sciurus monnecanus, abn.  
 Calospermophilus lateralis com  
 Eutamias abn  
 Cyronomys gunnisoni, sp. to H. p. 1  
 Eutamias com  
 Microtus nanus abn  
 " mordax?  
 Peromyscus sonoriensis, abn.  
 Thomomys fresser, abn  
 Lepus campestris 1  
 " bairdi signs in woods  
 Fiber? Ad house  
 Castor Ad house, good  
 Canis latrans com  
 Taxidea



Sept. 14 Camp 8. 7550

Tierra Ambrillo 7500

Pinus ponderosa "

Quercus gambeli "

Artemisia tridentata "

Pegelovia canescens "

Gutierrezia "

Helianthus annuus "

Aster multiflorus "

" purple "

Populus angustifolia "

Chama R. 7200

Berberis apiculata

Salix nigra

Ribes

Juniperus monosperma

" flaccida

Pinus edulis? a few trees

Chama R. at Mill 6950

Helianthus "

Opuntia polyacantha sps "

Yucca glauca "

Cereus (899) plants "

Pinus edulis com "

Atriplex canescens

Sarcobatus

Suaeda around lake

Rock Lake 7300

Sept. 15

At Jicarilla Fiesta -

Sept. 14 Camp 7550

Summit

Artemisia arbuscula

" cana

" tridentata

" frigida

" ludoviciana

Lake de Jara 7 mi. 7530

Sept. 17. back 2 miles

Sept. 19 Camp 8:30 7500

Lake de Jara 7425

Pinus ponderosa com

Parrotia com

Quercus gambeli com

Pinus edulis com

Juniperus occidentalis com

" flaccida "

Cercocarpus parryi

Amelanchier

Berberis repens

Penstemon virginicus

*Artemisia cana* abn  
" *frigida*  
" *bracteuloides*

*Helianthella*

*Helianthus annuus*

*Grindelia*

*Aster multiflorus*

" purple

*Rigulovia canescens* abn

*Antirrhinum*

*Lupinus*

*Castalia*

red  
soddy

*Pentstemon*

*Gilia angustata*

*Ribes cereum*

" aureum

*Rhus aromatica*

*Gomph. Sharp* same 7000

*Negundo* a few

*Artemisia tridentata*

" *arbuscula*

*Sarcobatus*

*Yumb. weed*

*Cercaria mexicana* a few bushes

Dulse 7000

Camp at Lutes 6900  
Sept 21

up Horrelde road 8 miles

Camp 7600

Sept 22 Camp 10. 7600

Horrelde 5 miles 7800

on Continental Divide

*Thymus* a few trees & shrubs

*Salix* yellow. trees " "

*Pinus ponderosa* abn

*Pinus edulis* on S. slope

*Quercus gambeli* abn.

*Amelanchier* " "

*Prunus virginiana* " "

*Jules*

*Ammopsis*

*Helianthella* - *Ximenesia*

*Artemisia tridentata*

" *cana*

" *arbuscula*

" *frigida*

*Yumb. weed*

*Suaeda* around lake

*Oratagus*

*Rhus aromatica*

*Pseudotsuga* com. on N.E. slope

*Abies concolor* a few " "

*Populus tremuloides* " " "

*Podagracea* " " "

*Symphoricarpos* " " "

Horse Lake Sept. 22 + 23

Zenaidura	2
Godwits	abu
Seaupe	com
Amerquedula discors?	com
" cyanoptera?	"
Fulica americana	a few
Tringa bairdi	3
Gryphalope	2
Exochus vociferus	2
Oryzobates villosus	1
Colaptes	
Bubo	2 heard
Pandion	1
Sprotzto	a dead one
Chordeiles	1 seen
Pica	abu. + nests
Corvus sinuatus	2
" trachyrhynchus	1 heard
Zonotrichia	com
Melospiza lincolni	a few
Spizella	
Poocetus	abu.
Dendroica auduboni	"
Wilsonia	"
Geothlypis	1
Regulus calendula	com
Parus septentrionalis	3
Troglodytes aztecus	com.
Salpinctes	1
Sialia bairdi	abu.

Parus gambeli	1
Onospiza	com
Otocoris	4
Cyanocitta	1
Sitta pygmaea	3
Falco sparverius	1
Accipiter velox	1
Aquila chrysaetos	1
Asyndesmus	3
Myadestes townsendi	3
Sturnella	2

Cyanocephalus	abu
Eutamias	com
Peromyscus sonoriensis	abu
Neotoma fallax?	com
Microtus mordax	"
Thomomys	abu
Erethizon	gravid ones
Lepus pinetis	com
Canis latrans	"
Laridea	6
Vesperugo fuscus	1

Horse Lake - continuing

*Perdix ripens* com  
*Agelaius canescens* "  
*Gutierrezia* "  
*Populus angustifolia*, a few trees  
*Juniperus monosperma* on S. slope  
" *flaccida* " "  
*Eriogonum* 3 species  
*Melospiza coccinea*  
" *miniata*  
*Fragaria speciosa*, in gulch

Chama River near El Vado

*Eutamias* not taken, com.  
*Neotoma* "  
*Peromyscus sonoriensis* "  
*Microtus mordax* 1 (Gaut)  
*Thomomys aureus* 2, abn.  
*Zapus* com  
*Lynx* "  
*Canis latrans* hard  
*Cryptotis pusillus* 1, com  
*Odocoileus hemionus*, reported.  
*Lepus pinetis* 1

Sept. 24 Camp, 10. 7500  
Chama River 10 mi. 4800

Sept. 25 Camp 4500  
Puerco 7700

Sept. 26 Camp - 7200  
El Vado 7200  
Stinking Lake 7700

Sept. 27.  
*Anas boschas* com  
*Nitidus carolinensis* abn  
*Querquedula discors* com  
" *cyanoptera* ?

*Merula americana* com  
*Dafila acuta* a few  
*Chrysolophus spatula* "  
*Agathya americana* com  
" *affinis* ? a few  
*Erasmia janacensis* abn. egg.  
*Branta canadensis* - 5 seen Sept. 28  
*Anser gambeli* ? feathers found  
*T. palpeus* com  
*Fulica americana* abn. im.  
*Porzana carolinensis* com.  
*Zingon bairdi* a few  
*Oxyechus vociferus* 2  
*Tamias californicus* ? 1 killed

<i>Bubo virginiana</i>	old in com.
<i>Falco mex</i>	
<i>Falco sparverius</i>	a few
<i>Circus</i>	2
<i>Aquila chrysaetos</i>	1
<i>Dryobates v. hyloscopus?</i>	com.
<i>Amphispiza bilineata</i>	2 Q.
<i>Corvus sinuatus</i>	2
" <i>brachyrhynchus</i>	com.
<i>Pica</i>	com.
<i>Aquila chrysaetos</i>	#
<i>Agelaius p.</i>	com.
<i>Zonotrichia leucophrys</i>	"
<i>Melospiza montana</i>	"
" <i>lincolni</i>	"
<i>Spizella</i>	
<i>Junco naevius</i>	1
<i>Poocetes</i>	com.
<i>Dendroica auduboni</i>	4
<i>Wilsonia</i>	"
<i>Geothlypis trichas</i>	"
<i>Anthus pennsylvanicus</i>	"
<i>Otocoris</i>	1
<i>Salpinctes</i>	1
<i>Sialia bairdi</i>	abn.
<i>Cistothorus fuscus</i>	com.
<i>Sitta pygmaea</i>	"
<i>Spinus pinus</i>	"
<i>Chrysomitris</i>	"

<i>Anthus ludovicianus</i>	abn.
<i>Falco mexicanus</i>	1
<i>Sturnella neglecta</i>	2
<i>Podilymbus podiceps</i>	1
<i>Zenaidura</i>	1
<i>Chaptalia collaris</i>	1
<i>Melospiza propinqua</i>	2
<i>Oreoscoptes</i>	1
<i>Pipilo megalonyx</i>	1
<i>Cyanocitta</i>	com.
<i>Myadestes townsendi</i>	"
<i>Sitta nelsoni</i>	1
<i>Regulus calendula</i>	1
<i>Actitis macularia</i>	1
<i>Rhyacophanes naevius?</i>	15
<i>Capodacus frontalis</i>	a few
<i>Actodramus oculatus</i>	com.
<i>Helminthophila alata</i>	1
<i>Actidromus bairdi</i>	com.
" <i>miniata</i>	"
<i>Podiceps montanus</i>	1
<i>Amphispiza nevadensis</i>	1
<i>Euphagus cyanocephalus</i>	abn.
<i>Agelaius</i>	a few
<i>Ceryle alcyon</i> , Oct. 3,	1

Stinking Lake Sept. 30, 7200

<i>Pinus ponderosa</i>	abn
" <i>edulis</i>	"
<i>Pseudotsuga</i>	own slopes
<i>Juniperus</i> 2	abn. S.
<i>Quercus gambelii</i>	abn.
<i>Populus angustifolia</i>	along stream
<i>Salix</i>	
<i>Cercocarpus</i>	com
<i>Artemisia tridentata</i>	abn
" <i>cana</i>	"
" <i>arbuscula</i>	
" <i>frigida</i>	com
" <i>ludoviciana</i>	"
<i>Bigelovia canescens</i>	"
"	"
<i>Gutierrezia</i>	"
<i>Helianthella - Rinorea</i>	"
<i>Atriplex canescens</i>	"
<i>Sarcobatus</i>	"
<i>Asters</i> 3	"
<i>Yucca glauca</i>	com
" <i>baccata</i>	a few
<i>Opuntia missouriensis</i> ?	com
" <i>fragilis</i> on ridges	
<i>Cereus paucispinus</i>	com
" <i>viridiflorus</i>	a few
<i>Scirpus olneyi</i>	in lakes
<i>Juncus lacustris</i>	"
<i>Swartwood</i>	abundant in lakes
<i>Suaeda</i>	

Top of ridge west of lake 7900

<i>Eriogonum fasciculatum</i>	
<i>Malvastrum coccineum</i>	
"	numerous
<i>Gramma</i>	abn

### Mammals

<i>Cynomys gunnisoni</i>	com
<i>Onychomys</i>	"
<i>Peromyscus sonoriensis</i>	abn.
<i>Thomomys fallax</i> ?	abn
" <i>desertorum</i> ?	com
<i>Thomomys fulvus</i> ?	"
" <i>aureus</i> ?	"
<i>Perognathus</i>	2
<i>Perodipus</i>	com
<i>Erethizon</i>	"
<i>Lepus arizonae</i>	"
" <i>punctatus</i> ?	
" <i>texianus</i>	a few
<i>Canis latrans</i>	abn
<i>Lepus</i>	"
<i>Urocyon</i>	"
<i>Lynx</i>	com
<i>Vesperugo fuscus</i>	"

# Plant Catalogue 1904

Zaos Mts. N. Mex.

July '20.

850. *Myrtensia*

13000 ft

851. *little white flower*

"

13000 ft

852. *Rhodola integrifolia*

"

853.

"

854.

13500

855.

"

856. *Erigeron*

"

857. *Draba*

"

858. *Draba* July 2-3

11200

859. *Rhodola*

11200

860. *Myrtensia*

high up "

861. *Salix*

11400

862. "

863. *Salix*

confertum, dark 13000

864.

multicatum, pale "

865. *Hydrophyllum*

"

866. *Rhodola* *capitata*

"

867. *Rhodola*

13500

868. *Potentilla*

"

869. *Potentilla*

"

870. *Myrtensia*

alpina

"

871. "

oblongifolia

"

872. *Myosotis alpestris*

"

873. *Saxifraga flagilaris*

"

874. "

chrysantha

"

875. "

nivalis

"

876. *Paronychia pulvinata*

"

# Plant Catalogue 1904

Zaco Mts. N. Mex.

July 20.

850. *Myrtensia*

13000 ft

851. little white flower

"

13000 ft.

852. *Rhodola integrifolia*

"

853.

"

854.

13500

855.

"

856. *Erigeron*

"

857. *Draba* July 23

"

858. *Ribes wolferi*

11200

859. *Rhodola*

11200

860. *Myrtensia*

high up

"

861. *Salix*

11400

862. "

863. *Polemonium confertum*, dark 13000

864. " *multitum*, pale "

865. *Hydrophyllum*

"

866. *Veronica*

"

867. *Rhodola*

13500

868. *Delphinium*

"

869. *Potentilla*

"

870. *Myrtensia*

"

871. "

"

872. *Myasotis alpestris*

"

873. *Saxifraga flagularis*

"

874. " *chrysanthra*

"

875. " *nivalis*

"

876. *Paronychia pulvinata*

"



Zaos Mts, N.M.

July 28

877. *Gentiana parryi*? lowest 11400  
 878. " *serrata*? fringed "  
 879. *Salix reticulata* "  
 880. *Mertensia* "  
 881. " "  
 882. *Schwestia parviflora* "  
 883. *Gentiana verabilis* "  
 884. *Salix* gray "  
 885. " green "  
 886. *Picea engelmanni*? like pungens "  
Hondo Canyon Aug. 10. 8200

*Picea pungens*

887. *Picea pungens*  
 888. *Mentzelia*  
 889. *Rhus glabra*?  
 890. *Stachys*? big yellow flowers  
 891. *Monarda*

Hondo River Aug. 13. 8000 ft.

892. *Opuntia polyacantha* fleshy fruit  
 893. " *felipendula* fleshy fruit  
 894. *Mammillaria lasiocantha* small  
 895. *Opuntia felipendula* fleshy fruit

Castilla R. Aug 23

896. *Pinus cristata* 9400 ft.  
 897. " " 9500

Del Norte, Colorado. Sept. 1.

898. *Opuntia missouriensis*? R  
 899. *Cereus* <sup>Echino.</sup> *paucispinus*? R? heavy spined  
 900. " fine spined

901. *Echinocereus viridiflorus*? R. little one

Conejos R. Sept. 4

902. *Mammillaria*

903. *Cereus* small

Boulder Lake, Sept. 15.

904. *Helianthella*

Dulce N.M. Sept. 19

905. *Artemisia arbuscula*

906. " *tridentata*

907. " *frigida*

908. " *cana*

Lake La Jara Sept. 18.

909. *Opuntia fragilis*

El Vado Sept. 26.

910. *Opuntia*

Gallinas Oct. 6

911. *Opuntia engelmanni*

912. *Quercus gambeli*

913. " *lobata*?

Abiquiu Oct. 15

914. *Mammillaria*

Escondido, Oct. 19

915. *Opuntia arborescens*

916. *Mammillaria* still one.

Valentine, Texas Oct. 24.

917. *Baccharis glutinosa*?

918. *Ephedra trifurcata*?

Seguin / Texas, Nov. 7.

Cereus

919. Abn. in mesquite brush

920. *Cereus*

Nov. 10

921. *Mammillaria*  
Columbus

922. *Sabal*

Saratoga

923. *Sabal*

near Patson

924. "

near San Lok

925. *Quercus digitata* (= *palustris*)

926. *Quercus phellos*?

927. "

928. *Quercus alba*

929.

930. *Quercus michauxii* - Cow oak

931. "

932.

933.

934.

935.

936.

937.

938.

939.

940. *Quercus muhlenbergii* - post oak.

941. *Gelsemium sempervirens*

942. *Hedera alba*?

943. *Acyron multiflorum*?

944. *Acyron stans*

945. *Acyron*? *hypericoides*?

946. *Hamamelis virginiana*

947. *Schmalzia lanceolata*

948. *Cyrilla racemiflora* Walt.

949. *Ilex lucida*

950. *Palmetto*

951. *Smilax laurifolia*

952. *Smilax uniflora*?

953. *Smilax peruviana*

954. *Viburnum nudum*?

955. *Persea borborea*

956. *Magnolia virginiana*?

957. *Leitneria floridana*, sweet leaf

958. *Nyssa aquatica*

959. *Sorbus* ~~*viridis*~~ *molle*

960.

Navasota Dec. 10.

961. *Gleditsia aquatica*

962. *Quercus macrocarpa*

963. *Quercus*

big red oak

964. *Cardiospermum* (*corindum*?)

Columbus

965. *Crotogeomys opthalmata*

966. " *texana*

Oct. 5 Camp 10. 7300  
 El Paso 12, 7000  
 Camp 10 mi. S. 7200

Oct. 6. Camp 9. 7100  
 4 miles 7500  
~~dry~~ ~~Galinas~~ River 7000  
 Galinas 7500

Oct. 5. Camp 9. 7300  
 Galinas  
 Capulwa 7800  
 Opuntia engelmannii 7300  
 " arborescens 1 "

Riglobia big green abn.

Yellow pine mesa 8000

Coyote Cr. 8150

Puerco R. 8200  
 Camp 8300

Oct. 7. Camp 8400  
 Fork of Coyote Canyon  
 Ridge at head of canyon 9700

Galinas Mts. Oct. 5 -  
 Amiparus occidentalis  
 " lacada?

Pinus edulis  
 Artemisia tridentata  
 " cava  
 Siglobia canescens

Pinus ponderosa S.W. 8000 - 9700  
 " " N.E. 7500 - 8000

Pinus flexilis in canyon at 8500  
 Pseudotsuga 7500<sup>NE</sup> - 9000<sup>NE</sup>

Quercus gambeli 7500<sup>SW</sup> - 9500<sup>SW</sup>  
 " (white!) 8000<sup>SW</sup> - 9500<sup>SW</sup>

Populus angustifolia abt. 7000 - 8300  
 Robinia monophylla 8200 - 9500

Ceanothus 8300 - 9700  
 Arctostaphylos uva-ursi - 9500

Symphoricarpos  
 Berberis repens 8000 - 9500

" spotulata 7500 - 9000  
 Fragaria sp. 8500 - 10000

Lilia aggregata 9000  
 Penstemon 8150 -

Prunus virginiana - 9. 8500

<i>Populus tremuloides</i>	NE 8000-10400
<i>Picea pungens</i>	NE 8200-9700
" <i>englemanni</i> 9500	NE 9700-10400
<i>Abies concolor</i>	NE 8200-9700
" <i>lasiocarpa</i>	NE 9700-10400
<i>Acer glabrum</i>	8500-9500
<i>Rubus nutkanus</i>	NE -
<i>Alnus viridis</i>	SW 8200-10700
<i>Salix cordata</i>	-9700
<i>Pachystima</i>	NE 8500-10400
<i>Veratrum</i>	
<i>Gentiana</i> pruned	-10000
<i>Ribes divaricatum</i> along cr.	8100

Oct. 9 - Camp 8450  
 Up to top of mts. - snow on top.  
 edge of top 1000  
 Highest point 10400  
 Transition zone -9700 S.W.  
 " " -9000 N.E.  
 Summit on road 9300  
 Prairie dog park 9000

Oct. 10 Camp 8300  
 Bottom of Coyote Canyon 8100  
 Ranch at head 9000  
 Left horse 9400  
 Lepus pusillus 9500

Oct. 11 Broke camp 2 pm 8500  
 Camp at Coyote 12 m. 7000

Oct. 12 Camp 9. 7000  
*Juniperus occidentalis*  
*Pinus edulis*  
*Quercus*  
*Populus angustifolia*  
*Forsteria monspeliensis*  
*Rhus aromatica*  
*Lycium pallidum*  
*Atriplex canescens*  
*Sarcobatus*  
*Artemisia tridentata*

*Bigelovia canescens*  
*Juniperus*  
*Yucca glauca*  
*Eurotia lanata*  
*Opuntia arborescens*  
 " *englemanni* small  
 " *longispina*

*Cercus parviflora*  
*Mammillaria* little

*Ribes aureum*

*Clematis*

*Helianthus*

*Helianthella*

*Salix nigra*

" yellow

*Fallugia paradoxa*

Coyote C

Chama River

Camp

6900

6150

"

Oct. 13. Camp 830 6050

Abiquiu 6150

River at Abiquiu 6100

Camp 10 mi. below Abiquiu 6000

Oct. 14

Staid at camp

Oct. 15 - Camp 1 P.M. 5900

Rio Grande 5800

Camp near Espanola 5850

Chama River Valley

*Populus monilifera* abn

*Salix nigra* "

" "

*Forstiera*

*Pinnus edulis* on mesas

" *pachyrrhiza*, dwarf " N.E.

*Juniperus occidentalis* abn

*Cercocarpus parvifolius* on mesa

*Rhus aromatica* abn.

*Fallugia paradoxa*

*Artemisia filifolia*

*Bigelovia canescens*

"

*Helianthus annuus* abn

*Helianthella*

*Ephedra nevadensis*, on mesa

*Opuntia arborescens* abn.

" *englemanni* - 911 "

" *missouriensis* ? longispina

*Mammillaria* 1

*Yucca glauca* a few

*Espanola*

*Opuntia fragilis*, a few

*Espavola*  
*Eutamias*, *z. alba*  
*Neotoma*  
*Peromyscus* *Truei*  
" *byansi*  
" *sonoriensis*

*Onychomys* 6  
*Perognathus*  
*Perodipus*  
*Thomomys* 2 mts  
*Lepus*  
*Cariacus*  
*Lynx*  
*Thryx*  
*Badger*  
*Beaver* 1 reported  
*Otter* " tracks  
*Procyon*

Oct. 19 *Espavola* 4 P.M.  
*Dipodomys spectabilis*  
*Santa Fe* 4 P.M.

*Lamy fe* 10 P.M.

Oct. 20 *Lamy* 11 A.M.  
*Dipodomys spectabilis* - com  
*Opuntia fragilis*, valley floor, com.  
*Forestiera* a few

*Albuquerque* 1 P.M.

Oct. 21, left Albuquerque 6 A.M.

*Colorado*  
*Larrea* - com on black soil  
*Baccharis* on S slopes  
*Prosopis pubescens* a few  
*Sacero* *Rhus virginiana* 1  
*Miconia* with *Larrea*  
*Rhus microphylla* com.  
*Ephedra trifurcata*? "  
*Prosopis pubescens* "  
*San Marcial* 12 M.  
up on mesa  
*Yucca baccata*? com  
" *radiosa*? abn.  
*Baccharis glutinosa*? "

*Engle* - *El Paso* 7 P.M.

Oct. 22 El Paso

Oct. 23 El Paso. 7 P.M.

Valentine 1 A.M.

Oct. 24 Valentine

Oct. 25 Valentine 7:30 A.M.

snowing

Prairie, ground white

~~Wheat~~ - snow 3 inches deep

Marathon - no snow, raining.

Del Rio - dark on leaving

San Antonio - 11 P.M.

Oct. 26 to fair

Oct. 27 Austin

Oct. 28 back to San Antonio

Oct. 29 - at fair

Oct. 30 - Sunday - out to Fort.

Oct 28 - Austin to San Antonio

Sturnella - abn. all along

flocks of 10 to 50, & even 100

Sialia - common

Zenaidura macrura numerous

Cathartes aura com.

Uruba str. abn.

Falco sparverius com

Buteo borealis 1

Accipiter velox 1

Coturnix - 2 flocks of doz. each

Cardinalis - a doz. in flock

Mimus 3

Scardafula inea - 1 flock

Oct. 30 San Antonio

<i>Scardafila inca</i>	abn in town
<i>Passer domesticus</i>	" "
<i>Megascops</i>	" "
<i>Zonotrichia</i>	com
<i>Chondestes</i>	"
<i>Amphispiza bilineata</i>	1
<i>Auriparus flaviceps</i>	1 at nest
<i>Mimus polyglottis</i>	a few
<i>Cardinalis</i>	2
<i>Cathartes aura</i>	2
<i>Uruba</i>	
<i>Falco sparverius</i>	1
<i>Sturnella</i>	com. + tan
<i>Columbigallina</i>	2
<i>Zenaidura</i>	2
<i>Melanerpes carolinensis</i>	com
<i>Colinus v. texanus</i>	1 flock - 13
<i>Cyrinus</i>	2 in 300
<i>Bubo</i>	4 in 200

Oct. 31 Seguin -

*Sphyrapicus* 1 in town

San Antonio

<i>Prosopis juliflora</i>	abn
<i>Acacia farnesiana</i> "bushy"	"
<i>Zizyphus</i>	abn
<i>Condalia</i>	
<i>Celtis pallida</i>	abn
"	the dog trees
<i>Lippia</i>	"
<i>Berberis trifoliata</i>	"
<i>Opuntia engelmanni</i>	"
" <i>leptocaulis</i>	"
<i>Phoradendron</i>	on mesquite, rocks
<i>Tillandsia recurvata</i>	abn
" <i>usneoides</i>	
<i>Diospyros texana</i>	
<i>Ulmus crassifolia</i>	
<i>Quercus virginiana</i>	
"	
<i>Ulmus crassifolia</i>	
<i>Pean</i>	
<i>Parkinsonia aculeata</i>	abn. in town

Nov. 1. Sequim at Mr. Nail's

Agelaius vociferus com. heard  
 Colinus abn. 1 flock of 12 or 15  
 Zenaidura abn.  
 Columbignathus com. 6  
 Cathartes aura com.  
 Uruba oter "  
 Melanerpes carolinensis com.  
 Dryobates s. bairdi com. 5  
 Corvus rhodoneus com.  
 Accipiter velox 1  
 Falco sparverius com.  
 Sturnella neglecta abn.  
 Sayornis phoebe 2. com.  
 Zonotrichia com.  
 Peucaea graminea + Sayornis  
 Chondestes com.  
~~Coturniculus bimaeculatus~~ 1  
 Passerculus s. auduboni 1  
 Theropthorus bewicki 1  
 Amphispiza bilineata com.  
 Cardinalis "  
 Minus polyglottos "  
 Arripans floriaps  
 Nov. 2

Regulus calendula 2 com.  
 Lanius 2 com.  
 Cyrenium nebulosum com. heard

Nov. 3

Sphyrapicus 3  
 Parabuteo u. bairdi 3  
 Coturniculus s. bimaeculatus com.  
 Parus c. agilis "  
 Tachycineta  
 Baeolophus atricristatus 3

Nov. 4

Oreoscoptes montanus 1  
 Megascops heard  
 Nov. 7

Otocoris 20

Nov. 8

Geococcyx 1  
 Spizella m. ochracea 3  
 Melospiza lincolni 1  
 Falco mexicanus 1  
 Quiscalus 1

Agelaius com.

Nov. 12  
 Thyothorus ludovicianus 3

Nov. 1.

Corvus brachyrhynchos heard

Nov. 3 - Seguin

<i>Prosopis</i>	abu
<i>Acacia formosa</i> ?	com
<i>Oreococcus virginianus</i>	"
" <i>nigra</i>	"
" "post oak"	"
"	"
<i>Ailanthus occidentalis</i> ?	com along
" <i>pallida</i>	com
<i>Ulmus crassifolia</i>	"
<i>Cordalea</i>	"
<i>Ziziphys</i>	"
<i>Brasylodendron texana</i>	a few
<i>Berberis trifoliata</i>	com
<i>Opuntia engelmannii</i>	abu
" <i>leptocaulis</i>	"
<i>Cercus</i>	com
<i>Yucca stricta</i> ?	"
<i>Mammillaria</i> <i>truncata</i>	a few
<i>Eysenhardtia angustifolia</i>	"
<i>Bumelia laurifolia</i>	"
<i>Toxylon pomifera</i>	com
<i>Pean</i>	"
<i>Xanthoxylon clava hirsuta</i>	"
<i>Solanum</i> 4	"
<i>Tillandsia usneoides</i>	abu
" <i>renovata</i>	"
<i>Phorodendron</i>	"
<i>Cratogeomys</i>	"
<i>Ceanothus</i>	"
<i>Forestiera</i>	"

Seguin

<i>Sceloporus floridanus</i>	1 sent
<i>Chamaeleon</i>	com.
<i>Pitophys</i>	1
<i>Bascanion flagellum</i>	usual skins
<i>Eutamia</i>	"mouse snake" 2
<i>Copperhead</i>	a few reported
<i>Rattle snakes</i>	very rare.
<i>Squeaking frogs</i>	abu.

*Platanus trifoliata*

<i>Solanum capsicum</i>	
<i>Madinowinskia</i>	
<i>Cucurbit</i> - prickly	
<i>Cucurbita</i>	
<i>Salix</i>	trees
<i>Smilax</i>	as vines etc.
<i>Hickory</i>	
<i>Negundo</i>	
<i>Vitis</i>	
<i>Ulmus fulva</i> ?	1 big tree
<i>Sambucus</i>	
<i>Coster Bean</i>	
<i>Banana</i>	
<i>Passiflora aculeata</i>	

Sequim -  
Nov. 12 - hard frost

Nov. 13 - Sequim 12:45

a few cotton fields not frosted

Luling

Lufkin - last of mesquite fruits.

Past oak country

Sister cavalliana -

near Flatonia, Tex.

Flatonia Junction

Wide prairie, black soil.

good grass, little cotton

Engle

still prairie to

Schulenburg

still prairie

Columbus

Columbus

Nov. 14

Catherpes aura

a few

Catherpes aura 14

com

Buteo borealis

1

Falco sparverius

com

Colinus

"

Curtus carolinus

"

Corvus brachyrhynchos

a few

Ogilanus plumbeus

com

Sturnella

"

Pooecetes

"

Passerculus

a few

Zonotrichia

"

Cardinalis

com

Sayornis phoebe

"

Geothlypis trichas

1

Mimus polyglottus

com

Passer domesticus - com in town

Anthus penicillatus 0 6

Agelaius vociferus

heard

Spizella

heard

Passerculus sandwichensis

com

Columbus, Tex., Nov. 14

Populus balsamifera abn.

Picea "

Juglans nigra "

Hickory several

Quercus virginiana

" nigra

" lobata? post oak

"

Ulmus fulva

" crassifolia

"

Celtis

Negundo

Ornithoglossum 2 species abn.

Ilex

Galasacia

Acacia farnesiana

Sesban corallinesia

Xanthoxylon clavareolus

Sabal

Yucca 2

Opuntia vulgaris

" engelmanni - rare

Platanus

Salix

Willowia nemoralis

Nov. 15. to Eagle Lake

Nov. 16 Eagle Lake

Megascops abn.

Euphagus cyanocephalus "

Agelaius phoeniceus "

Melospiza ater "

Oxyechus vociferus com

Passer domesticus "

Zonotrichia albicollis "

Poocetes gramineus "

Cardinalis "

Thryomanes

Cinclus carolinensis com

Zonotrichia leucophrys?

Sayornis phoebe com

Regulus calendula "

Circus hudsonius com

Buteo borealis 1

" latissimus? 1

Accipiter 1

Cathartes aura com

Colaptes auratus 1

Anas boschas feathers, heard. abn.

Sturnella com

Mimus polyglottos com

Ceryle alcyon 1

Fulica com

Falco sparverius 1

Anthus pennsylvanicus com

Ardea herodias 2

Passerculus claudius com

Agelaius americana abn.

Nov. 17,

Eagle Lake - 8 A.M.

big cotton fields at sand trap  
about 5 miles from Eagle Lake

Bonnie - cotton field green.  
half a mile N. of station.

Egypt - big cotton fields all green  
cutting cane

Glen Flora - all cotton -  
mostly green -

Wharton - cane & cotton -

Nov. 18.

Back to Eagle Lake.

Eagle Lake Nov. 19.

Anthus pensilvanicus abn

Sayornis phoebe

Sturnella magna, abn. 11 shot

neglecta, com 6 "

Ictrocyba virens abn

Hirundo erythrogastrus 1

Lanius

Proceris,

Spizella

a few  
1

Eagle Lake

Cherokee rose. abn

Torylon pomifera abn.

Populus balsamifera

Crataegus

Box

Pean

Oaks

small printed

same as at Col-

Nov. 17.

Eagle Lake - 8 A.M.

big cotton fields at road stop  
about 5 miles from Eagle Lake

Bonnie - cotton field green.

half a mile N. of station.

Egypt - big cotton fields all green  
cutting cane

Blue Flora - all cotton -  
mostly green.

Wharton - cane + cotton.

Nov. 18.

Back to Eagle Lake.

Eagle Lake Nov. 19.

*Anthus pensilvanicus* abn

*Sayornis phoebe*

*Sturnella magna*, abn. 11 shot

1 - *neglecta*, com 6 "

*Ictroderaptes bicolor* abn

*Hirundo erythrogastrus* 1

*Lanius* com

*Proceris*, a few

*Spizella* 1

Eagle Lake

Cherokee rose abn

*Taxodium floridense* abn.

*Populus balsamifera*

*Crataegus*

*Ilex*

Pecan

Oaks

small pointed

some as at Col.

W. H. H. H.

<i>Aquila vocifera</i>	a few
<i>Fulica</i>	1
<i>Nythya carolinensis</i> ?	1
<i>Zenaidura</i>	com
<i>Cathartes aura</i>	"
<i>Catharista uruba</i>	"
<i>Buteo borealis</i>	a few
" <i>lineatus</i>	1 killed
<i>Circus</i>	com
<i>Falco sparverius</i>	"
<i>Ceryle <del>torturaria</del></i>	1
<i>Melanerpes erythrocephalus</i>	com
<i>Cyanus carolin</i>	
<i>Sphyrapicus vari</i>	
<i>Colaptes auratus</i>	
<i>Sayornis phoebe</i>	
<i>Corvus brachyrhynchus</i>	
<i>Euphagus cyanocephalus</i> ?	1
<i>Sturnella magna</i>	com
<i>Cardinalis</i>	"
<i>Passer domesticus</i> in town	"
<i>Passerculus alaudinus</i>	"
<i>Melospiza melodia</i> - 1 heard	
<i>Zonotrichia albicollis</i>	com
<i>Pooecetes</i>	"
<i>Harporhynchus rufus</i>	1
<i>Thryothorus ludovicianus</i>	1
<i>Sialia sialis</i>	6
<i>Mimus polyglottos</i>	com



Eagle Lake Nov. 20

Species - little town on big prairie  
 good place for prairie work.  
East Bernard  
Barvard Creek  
 Tazodain, com. along cr.  
 leaves brown -

Twenty Nov. 21,

Acer

~~Liquidambar~~

Ulmus americana

Quercus phellos

willow  
~~of the~~  
pink oak

" falcata ?

red

" nigra

"

" macrocarpa

" alba

" michauxii

shingle

" virginianus

Telea americana pubescens

Fraxinus americana white ash

" viridis

Pinus taeda

" echinata

Zapodium

Toxylon peruvianum

Diospiros virginiana

Crategeus 2

"

Gleditsia triacanthos

Ilex opaca

" cassini

small

Bumelia lanuginosa

Hickoria pumila

" aquatica bitter pumila

"

Juglans nigra

~~4th~~  
Aralia

the

Morus rubra

Nyssa

Catalpa

Xanthoxylon dachtyloides

Platanus

Vitis

Smilax

Morus nigra

Rhus toxicodendron

"

stag horn

Alnus

Ostrya

Populus deltoides

~~Populus~~  
Magnolia

Carpinus

Telema canadensis

Wisteria

Marica

Calloscarpa

Max. Mulberry

Betula

Viburnum lentiginos

Cornus

small bush

Pinus palustris

co. of Washington

Zusplanthus

Ilex

3d sp.

Liberty & Farkington

*Colinus virginianus*  
*Cathartes aura*  
*Catherista urubda*  
*Buteo borealis*  
*Syrnium nebulosum*  
*Hirundo pilatus*  
*Colaptes auratus*  
*Curtus carolinus*  
*Melanerpes erythrocephalus*  
*Spizopicus*  
*Sayornis phoebe*  
*Cyanocitta cristata*  
*Corvus brachyrhynchos*  
*Sturnella magna*  
*Cardinalis*  
*Zonotrichia leucophrys*  
*Pipilo erythrophthalmus* heard  
*Troglodytes*  
*Parus carolinensis*  
*Thryothorus ludovicianus*  
*Spizella pusilla*  
*Iridoprocne bicolor*  
*Wild Turkey*  
*Paroquite*  
*Pidgeons*  
*Chen hyperborea*  
*Ardea herodias*  
*Oryzopsis vociferans*  
*Merula migratoria*  
*Sialia sialis*

Two <sup>hog</sup> men killed 84 + 96  
bees in two years <sup>2 years ago</sup>  
Mr. Carter killed 22 at night  
with fire light.

*Cyanocitta cristata*  
*Dryobates* - coccals, 6  
*Dendroica coronata* abn  
*Anthus pensilvanicus*  
*Poetes gramineus*  
*Parus carolinus*  
*Ivory billed woodpecker*, a few.  
*Thryomanes*  
*Lanius*  
*Troglodytes*

Nov. 26. Carters Ranch

Galors Lake

Ivory bills

Wood ducks

Brant

27. Trinity River -

to near Batson

Nov. 28. Batson

Prairie plants

Grass

Baptisia

Mupica

Ratibida ?

Saratoga + 7 mi. N.E. to

Oilwell camp

Dec. 3- to Hoantze + return.

Dec. 5. Biche camp

Saratoga

Sour Lake

Camp 3 mi N.E. of Sour L.

Dec 6 -

Jerden's ranch

Don Griffins

Dec. 7- Back to Saratoga

Big Thicket plants

Dec. 1.

Pinus taeda

abn.

" palustris

a few

" echinata

"

Taxodium distichum

com.

Quercus alba

abn

" michauxii

"

" phellos? pin oak

"

" digitata spanish oak

com

" minor

"

Liquidambar

abn

Nyssa

"

"Tupla quassa"

rare

Magnolia foetida

abn

"

bay

"

"

"

sweet bay

"

Sassafras

com

Diospiros

"

Ostrya

"

Carpinus

rare

Platanus

"

Hickoria

"

"

rather green

"

"

thick shelled

com

"

shell bark

"

Juglans nigra

Acer

com

Zelka putescens

*Ulmus americanus* a few  
 " *crassifolia* or *alata* "  
*Cornus florida* abn.  
 " *passum-haw* "  
 " "  
*Viburnum lentiginosum* rare  
*Crataegus* abn. on prairie  
 " "  
*Ilex opaca* abn.  
 " *cassini* "  
 " "*spatulata*" scarce  
*Azalea* com.  
*Galaxaria* "  
*Vaccinium* abn.  
 " *gallberry* "  
*Callicarpa* com.  
*Cephalanthus* "  
*Merica* abn.  
*Rhus* com.  
 " *stagbourn* "  
*Cross vine* said to be com.  
*Yellow jessamine* abn.  
*Vitis* grape com.  
 " *Ratan* abn.  
*Wisteria* com.  
*Teoma radicans* "  
~~*Hierosperma* ?~~  
*Rhus toxicodendron* abn.  
*Smilax* fig "  
 " *rotundifolia* "  
 " *littles* "  
*Rubus* blackberry "

*Sabal* abn.  
*Arundinaria* local  
*Ephogrum* abn. in thicket  
*Mitchella repens* "  
*Tree ferns* many species  
*Ground ferns* "  
*Mosses* numerous  
*Grass* "  
*Fraxinus americana* com.  
 " *viridis*  
*Aralia*  
*Populus* 1 tree  
*Rhamnus* or *Benzoin*  
 " *glaberrima*,



Dec. 8, Saratoga - 10 AM.  
 All the way through Thicket.  
 Bragg - in Thicket  
 To Chodand

Dec. 9 - Chodand  
 Navasota 12 PM.

Dec. 10 To 16 -  
 Out to Mr. Hardestup place

*Didelphys virginiana* - com  
*Tatusia novemcincta* 1, 5 mi. SW.  
*Sciurus ludovicianus* com

*Neotoma micropus*? com  
*Perognathus hispidus*, signs "  
*Geomys brevicauda* abn.  
*Lepus f. alacer* com.  
*f. allwateri* "

*Lynx* tracks abn.  
*Procyon* "  
*Mephitis* com.  
*Spilogale indianola* "  
*Luticola* "

## Navasota

Pear - abn.  
 Hickories com

" "  
*Quercus nigra* com  
 " *alba* "

" pin oak abn

" macrocarpa - overcap a few

" red oak com.

*Populus deltoides* along river

*Platanus* a few

*Ulmus americana* "

" *crassifolia* com

*Negundo aceroides* "

*Xanthoxylum clavaherules* "

*Robinia aquatica* one suckled locust abn.

*Cercis* com

*Ailix* abn.

*Fraxinus* "

*Crataegus* Red Hawk "

" sugar haw "

*Ilex cassini* "

" *drichman* "

*Salix nigra*? along R.

" "

*Torylon pomifera* a few

Vitis	abn.
Zeonoma radicans	"
Wisteria	"
Jasminum	"
"Rattan"	abn.
Smilax rotundifolia	"
"	big.
"	red berries
Rhus toxicodendron	abn.
Schneitzia	
Huesache	a few
Phorochydron	abn.
Yucca	spec. a few
Sabal	"
Opuntia engelmanni	"
" vulgaris	"
Zillandria nemerosides	abn.
Baptisia	

Navasota Dec. 10-15

Aix sponsa	3 Dec. 11
Ardea herodias	1 Dec. 12
Columus <sup>oryzophilus</sup> v. texanus	3 Dec. 14. 9
Zenaidura macroura	10 Dec. 15
Cathartes aura	abn.
Cathartes aura	"
Falco sparverius	com.
Syrnium nebulosum	"
Hydrochelidon	1
Sphyrapicus varius	com.
Melanerpes erythrocephalus	"
Centurus carolinus	"
Coereba pipas	1
<del>Colaptes auratus</del> Sialia sialis	com.
Muscivora forficata	in same
Cyanocitta cristata	com.
Corvus brachyrhynchos	"
Euphagus carolinus	"
Sturnella magna	"
" neglecta	"
Astragalinus tristis	"
Passer domesticus	in town
Poocetes g. confinis	"
Passerulus s. alaudinus	a few.
Zonotrichia albicollis	abn.
Spizella pusilla	a few
Melospiza cinerea	"
Passerella iliaca	com.
Pipilo erythrophthalmus	"
Cardinalis cardinalis	abn.

*Ampelis cedrorum* 9, Dec. 16  
*Lanius ludovicianus* com.  
*Dendroica coronata* "  
*Anthus pensilvanicus* abn.  
*Mimus polyglottos* "  
*Toxostoma rufum* "  
*Thryothorus ludovicianus* "  
*Thryomanes* "  
*Olbiorchilus hiemalis* 1  
*Basolophus atricristatus* com.  
*Parus carolinus* "  
*Regulus calendula* "  
*Hylocichla* "  
*Sialia sialis* "

New Orleans Dec. 18

*Podiceps a. p. p.*  
*Colymbus auratus* 2  
*Ceryle alcyon* 1  
*Megascops asio* com.  
 Black rat holes abn.  
*Sturnella* abn.

Dec. 14

Navasota, 4:35 P.M.  
Hempstead

Big prairie  
 Houston - Hotel Brazos

Dec. 17 Houston 1:30 A.M.

Morgan City  
*Tupla gum* abn.  
*Cypripis* "  
*Magnolia (bay)* "  
*Myrica* "  
*Palmetto* "  
*Cherokee Rose* "

New Orleans 9 P.M.  
Dec. 18 New Orleans 9:25 A.M.

Oranges ripening  
 Sawas not posted  
 Cove off of Cypress & deciduous  
 trees

*Lophoceros partide* abn.  
*Magnolia (bay)* "  
*Tupla gum* "  
*Myrica* "  
*Quercus virginiana* "  
 pin oak

Sabal  
*Arundinaria*  
*Ilex coccinea*

Bay St. Louis

Mobile extensive  
Swamps of  
Taxodium abn  
Magnolia (bays) 4  
" in places

Myrica  
Tupela gum abn  
~~Myrica~~ abn  
Juniper (red berries) 1  
Sabal 1  
Arundinaria 4

Open piney woods again

Greenville - getting dark.

Montgomery - dark -

Dec. 19

Greenville, S.C. daylight

traces of snow

Blacksburg - more snow

Scrubby pine - mistis -

Poor woods + fields

Sail washed + barren

Charlotte N.C. 9:20 AM.

Cotton the main crop

Lansville Va.

more snow

Foot hills

Orange - dark, 4.

Washington



Remember me

J. C. Stephens, Red R., N.M.  
editor of the Prospector  
wants Fauna of N.M.

### Modification of Zones

Altitude

Latitude

Base level

Slope exposure

Steepness of slope

Dryness

Base rock

Soil cover

Soil color

Broad or narrow slope

Shelter - of slope angle

" - of rocks

" - of vegetation

Cold streams, surface, subterranean

Cold air currents - canyons

Wind -

Narrow canyon bottom

Wide canyon bottom

Steepness of canyon bottom

Burns

1904  
Transportation Orders

Authorization no. 85, July 1, 1904

No. 20445, July 1. \$55.05

Washington to Presidio

No. 20446 - Albuquerque to El Paso \$10.00

" 20447 - Valentine to San Antonio 13.75

" 20448 - Houston to Washington 37.30

Manuel Mondragon  
Taos, N.Mex.

C. L. Pollard, Espanola

J. J. Dozier, Espanola  
Max West - 3610 Morgan Ave.

C. C. Battie, Espanola  
a trapper - write for obs.  
Stafford, Espanola

Juan Lopez  
Benedict - br. Forestry  
mt of Santa Fe.

Geo. J. Stafford & Son,  
Espanola

G. W. Bond & Bro., Espanola

M. A. Earnest, Bequillas

McChesnut, Louisville, Colo.  
Lockbox 11

Mrs. M. A. Surber, Center Point  
Tom Hurley - Rinconada  
has bear trap

Henry Mathee, Trapper  
Columbus, Tex. <sup>horns \$6.00</sup>  
<sub>skulls .50</sub>

Mrs. May Steadman  
Columbus <sup>wants photo of hotel</sup>

Samuel Neel, Seguin, Tex.

Jim Sparks, Eagle Lake, Tex.

She Towell - Bay City, Tex.  
a bear hunter -

W. O. Victor, Wharton, Tex.  
for bear & wolves &  
gray fox.

Jim Dickson - darkie, Wharton

Judge A. G. Barber, for bear  
Wharton, Tex.

J. L. Browner, Seguin

J. F. Lyndelars - for notes on  
Fredericksburg, Tex. <sup>bear & wolves</sup>  
+ for specimens

W. S. Miller, Columbus, Tex.

Judge Mansfield,  
Columbus, Tex.

A. W. Carter & E. R. Morgan  
Tarkington, Texas, Liberty Co.

Loringo Carr & N. A. Butson  
Will Berryhill } have killed bear lately

Thomas W. Byars, Columbus, Tex.  
lives 7 miles S.W. on Skull cr.  
gets Coyotes & wolves -

Hon. J. W. Zinkler, Rock Island, Tex.  
for bear

John Needham, Tarkington, Tex.

Mr. Charles Hardisty, Navasota  
C. Elskamp,

and Bollwinkel Bull, Festilization,  
Claus and papers

T. S. Palmer - 16.04 - 13th

Amisito Baldes

Augustin Balade

Photos of self wife & daughter  
Send prints for him to

H.H.  
Mrs. Johnson - agent at  
Dulce N.M.

Mrs Chas P. Koch

San Antonio, Tanners

211-213, S. Alamo St.

J.P. Bowden

Cleveland, Tex

Son-in-law of Judge Hightower

J. Wright, Cleveland

Forestry bulls. & working plan

L.B.  
Judge Hightower, Cleveland

J. J. Flowers, Saratoga

Send photo of girls

Get bear skins

W. E. Watson

Evergreen, Texas

\$1.00 San Jacinto Co.

for Gray fox. other skulls 50

Can get *Carpatus*

Wolf skulls 150

630 x 180 x 80 8 in

570 x 250 x 80 8

400 x 180 x 80 8

Hay, Burwin

Josh Flowers

Wilcox Ben Griffer/bros

Terden Settlement  
near Soap Lake

Ben Hooks, Kentucky

J.B. Hooks

means 1404 M.

Chas. Peterson

Esparola

a good man

Capt. Castle

825 W. Ave

Elpho N. 2133

